100.2556                                                              PATENT
Fingerman 1-1-1

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.:      7,143,430

Serial No.:      09/440,434

Issue Date:      11/28/2006

Inventor(s):     Fingerman, et al.

For:             METHOD AND APPARATUS FOR REMOTE AUDIOVISUAL SIGNAL
                 RECORDING SERVICE

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                                          Durham, North Carolina
                                          July 19, 2010

**Attention Certificate of Corrections Branch**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

                    Request for Certificate of Correction
                         of Office Mistake Pursuant to
                    35 U.S.C. 254 and 37 C.F.R. 1.322

Sir:

        Applicant's assignee requests expedited issuance of a certificate of correction of office

mistake.  Per the guidelines of MPEP § 1480.01 at page 1400-92, the text of the corrections

requested are submitted on a Certificate of Correction Form, PTO/SB/44.  A duplicate copy of

this Certificate of Correction Form has been labeled Exhibit A and the corrections requested

have been numbered (1)-(6).  Similarly, the last amendment filed September 9, 2005 filed before

the Notice of Allowance has been labeled Exhibit B and pages 4 and 8 have been marked with

circles and the numbers (1)-(6) to show that the words in question were correctly spelled in the
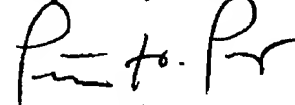
Appl. No. 09/440,434
Amdt. dated July 19, 2010
Reply to Office Action of May 11, 2005

amendment filed. In the amendment, claim 9 corresponds to patent claim 1 and claim 22

corresponds to claim 12.

Respectfully submitted,

Peter H. Priest
Reg. No. 30,210
Priest & Goldstein, PLLC
5015 Southpark Drive, Suite 230
Durham, NC 27713-7736
(919) 806-1600

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# UNITED STATES PATENT AND TRADEMARK OFFICE
# CERTIFICATE OF CORRECTION

Page ___1___ of ___1

PATENT NO.         : 7,143,430

APPLICATION NO. : 09/440,434

ISSUE DATE         : 11/28/2006

INVENTOR(S)       : Fingerman, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11, line 46 "amount" should read --among--;
Column 11, line 53 "grad" should read --grade--;
Column 11, line 60 "grad" should read --grade--.

Column 13, line 11 "program" should read --programs--;
Column 13, line 12 "sand" should read --and--;
Column 13, line 12 "grads" should read --grades.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Peter H. Priest
5015 Southpark Drive, Suite 230
Durham, NC 27713

# UNITED STATES PATENT AND TRADEMARK OFFICE
## CERTIFICATE OF CORRECTION

Page ___1___ of ___1___

PATENT NO.        : 7,143,430

APPLICATION NO. : 09/440,434              **EXHIBIT A**

ISSUE DATE         : 11/28/2006

INVENTOR(S)      : Fingerman, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(1)  Column 11, line 46 "amount" should read --among--;

(2)  Column 11, line 53 "grad" should read --grade--;

(3)  Column 11, line 60 "grad" should read --grade--.

(4)  Column 13, line 11 "program" should read --programs--;

(5)  Column 13, line 12 "sand" should read --and--;

(6)  Column 13, line 12 "grads" should read --grades.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Peter H. Priest
5015 Southpark Drive, Suite 230
Durham, NC 27713

100.2556                                                              PATENT

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:   Fingerman et al.

Serial No.:   09/440,434

Filed:        November 15, 1999

For:          METHOD AND APPARATUS FOR REMOTE AUDIOVISUAL SIGNAL
              RECORDING SERVICE

Group:        2153

Examiner:     Lim, Krisna

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                                        Durham, North Carolina
                                        September 9, 2005
MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

## Amendment

Sir:

In response to the Official Action of May 11, 2005, please amend the above identified

application as follows:

Amendments to the Specification:

Add a heading section titled Cross-Reference to Related Applications before the

Background of the Invention on page 1 and after the title.

Please move the paragraph beginning on page 8, line 7 to page 1 after the Cross-

Reference to Related Applications heading and before the Background of the Invention and

replace it with the following rewritten paragraph:

U.S. Patent Application Serial No. 10/839,319 entitled, "Method and Apparatus for

Remote Audiovisual Signal Recording" filed on May 5, 2004, which is a continuation of U.S.

Application Serial No. 09/440,356 filed on November 15, 1999, now abandoned, which is

assigned to the assignee of the present application and filed on even date herewith, discloses a

related method and apparatus and the contents of that application are hereby incorporated herein

by reference.

Please replace the paragraph beginning at page 20, line 6, with the following rewritten

paragraph:

The preceding embodiments show media program signal reception and the coding and

storage of media programs being performed by distributed delivery systems, each of which

perform all functions. In an additional embodiment as shown in FIG. 13, the signal reception is

shown to be distributed to receive signals in different geographical locations and the coding and

storage functions also being distributed but remote from the signal reception. In FIG. 13 a

plurality of clients 11 through 16 are connectable via the Internet 17 to a client server 49. Also

connected to the Internet 17 are a plurality of storage units 701, 703 and 705. Each of the storage

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units is connected to a media program switch 706 as well as to other sources of media signals
(not shown). The storage units 701, 703 and 705 receive media program signals from switch 706
and, under the control of client server 49, encode and store media programs requested by the
clients 11-16. Switch 706 operates in response to commands from client server 49 via the
Internet 17 and a connection 715 to connect selected media program signals from one or more of
receivers 707, 709, 711 and 713 to the storage units 701, 703 and 705. The receivers 708707,
709, 711 and 712-713 are geographically distributed in Rome, New York, Chicago and Los
Angeles in the present example. Client server 49 is aware of the media program signals available
at each of the receivers and can present listings representing the media programs at each receiver
to the clients 11-16 in the manner previously described. When client server 49 receives a media
program request from a client, it identifies one of the receivers 707, 709, 711 and 713 which
receives the requested program and controls switch 706 to connect the media program signal to a
selected storage unit, e.g. 701. The selected storage unit, e.g. 701, is also directed to detect,
encode, and store the requested media program signal and deliver it to the client on request. In
the embodiment of FIG. 13, it is not required that the storage units be in any particular
geographic location and may even be in a single storage center. Additionally, the media program
signal switching functions of switch 706 may be distributed to a plurality of switches or other
types of signal directing units.

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Amdt. dated September 9, 2005
Reply to Office Action of May 11, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please cancel claim 17 without prejudice and amend claims 9-16, 19-23, 25, and 26 as follows:

Claims 1-8 (cancelled).

9. (currently amended):  A ~~storage allocation~~ media program delivery method comprising:

receiving a request for media program ~~storage~~ services, from a client among a plurality of clients, for recording and delivery of media programs from a media program provider having access to sources of media and a plurality of media delivery systems having a scheduler for recording and playback control of media programs;

determining a client storage capacity in storage remote to the client based on a grade of service selected by the client, wherein the grade of service comprises a duration of total media program time and a media program delivery data rate;

~~allocating~~ storing ~~a pre~~ the determined ~~amount of~~ client ~~available~~ storage capacity as a storage capacity parameter in a client file ~~to the client in response to the request for media program storage services, the predetermined amount of client available storage capacity allocated to the client being determined by a request for storage capacity from the client~~ ; and

assigning a cost of the media program services by the media program provider to the client based on the ~~allocated amount of storage;~~ client's selected grade of service.

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Amdt. dated September 9, 2005
Reply to Office Action of May 11, 2005

10. (currently amended):  A ~~The~~ media program delivery method ~~in accordance with~~ of claim 9 <u>further</u> comprising<u>:</u>

<u>receiving a request to record an identified media program from the client;</u>

<u>determining whether the storage capacity required by the identified media program exceeds the client storage capacity;</u>

<u>selecting the identified media program from a media source selected by the client or from a best available media source;</u>

<u>recording the identified media program in a media format selected by the client in a media storage facility shared for media program services if the identified media program does not exceed the client storage capacity; and</u>

notifying the client of the amount of remaining client available storage <u>time if the identified media program exceeds the client storage capacity and this remaining client available storage time is insufficient to record the identified media program.</u>

11. (currently amended):  A ~~The~~ media program delivery method ~~in accordance with~~ of claim 10 <u>further</u> comprising offering additional storage ~~capacity~~ <u>time</u> to the client <u>if the identified media program exceeds the client storage capacity.</u>

12. (currently amended):  A ~~The~~ media program delivery method ~~in accordance with~~ of claim 9 comprising<u>:</u>

<u>receiving a request for <u>purchase of</u> additional storage <u>time</u> from the client and in response thereto, ~~allocating additional~~ <u>increasing the</u> storage capacity <u>parameter in</u> ~~to~~ the client <u>file to reflect the purchase of additional storage time.</u>

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13. (currently amended):  ~~A~~ The media program delivery method ~~in accordance with~~ of

claim ~~9~~ 10 further comprising:

delivering the ~~stored~~ identified media program ~~from storage~~ to the client in the client

selected media format ~~and increasing the storage allocated to the client by an amount~~

~~substantially equal to the storage used to store the stored media program~~ upon the client

requesting delivery of the identified media program.

14. (currently amended):  A storage allocation method comprising:

receiving a request from a client for media program ~~storage~~ services from a media

program provider ~~from a client~~;

determining a client storage capacity allocation based on a client's selected grade of

service, wherein the grade of service comprises a duration of total media program time and a

media program delivery data rate;

allocating in a selected media storage facility shared for media program services ~~a pre -~~

~~determined amount of~~ the client's ~~available~~ storage capacity allocation ~~to the client in response~~

to use ~~the request~~ for media program storage ~~services~~;

receiving a request for ~~storage~~ recording of an identified media program from the client;

determining whether the storage capacity required by the identified media program

exceeds the client storage capacity allocation;

storing the identified media program for a predetermined time period if the identified

media program does not exceed the client storage capacity allocation ~~and determining an amount~~

~~of client available storage capacity remaining after the storage of the identified program~~; and

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automatically reclaiming ~~establishing an expiration date for the media program stored and wherein~~ the amount of storage capacity used to store the identified media program ~~is made reusable~~ at the end of the predetermined time period, wherein the reclaimed storage capacity may be reused by the client ~~at the passing of the expiration date~~.

15. (currently amended): ~~A~~ The storage allocation method ~~in accordance with~~ of claim 14 further comprising:

notifying the client of ~~the~~ an expiration date before the ~~passing~~ end of the ~~expiration date~~ predetermined time period.

16. (currently amended): ~~A~~ The storage allocation method ~~in accordance with~~ of claim 15 further comprising:

offering the client an additional time period of storage for the ~~stored~~ identified ~~multi~~media program.

17. (cancelled)

18. (cancelled).

19. (currently amended): ~~A~~ The media program delivery method ~~in accordance with~~ of claim ~~9~~ 10 further comprising:

determining the amount of storage time needed to store [[a]] the identified media program ~~identified by the client~~ and denying storage when the needed amount of storage time exceeds the amount of client ~~available~~ storage capacity.

20. (currently amended): ~~A~~ The media program delivery method ~~in accordance with~~ of claim 19 further comprising:

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offering additional storage ~~capacity~~ time to the client.

21. (currently amended): ~~A~~ The media program delivery method ~~is accordance with~~ of claim ~~9~~ 10 wherein the identified media program is stored in a plurality of media program storage locations and the media program delivery method comprises notifying an allocator function of the total amount of storage capacity in use to store media programs requested by the client.

22. (currently amended): A media program storage system comprising:

a plurality of storage units for receiving and storing a predetermined plurality of requested media ~~program~~ programs ~~signals~~ and for supporting a plurality of grades of service, said storage units being located in different geographic locations and each grade of service of the plurality of grades of service comprising a duration of total media program time and a media program delivery data rate;

a network accessible server for receiving requests for storage of ~~identified~~ the requested media ~~program~~ programs ~~signals~~ from network connected clients and in response to a request from a client for a media program ~~notifying~~ operates to notify one of the plurality of storage units to receive and store the ~~identified~~ requested media program ~~signal~~ in a client selected format wherein the network accessible server stores a value identifying an amount of storage available to the client[[;]] and

~~the storage units comprise apparatus responsive to the notifications from the network accessible server for receiving and storing the identified program and~~ the network accessible server ~~for notifying~~ operates to notify the requesting client of a network address at which to retrieve the stored media program.

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23. (currently amended): A The media program storage system in accordance with of claim 22 further comprising:

apparatus responsive to a delivery request from the client via the network for delivering the stored media program in the client selected format to the client via the network.

24. (cancelled).

25. (currently amended): A The media program storage system in accordance with of claim 22 wherein the network accessible server stores a preferred listing of media programs for access by the client.

26. (currently amended): A The media program storage system in accordance with of claim 25 wherein the network accessible server stores listings of media programs in addition to the preferred listing.

Claims 27-33 (cancelled).

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